# ATMOS

155mm truck-mounted howitzer for increased mobility and enhanced firing capabilities

Elbit Systems™
Land and C4I

# ATMOS

## 155mm truck-mounted howitzer for increased mobility and enhanced firing capabilities

Elbit Systems' ATMOS is a 155mm/52 caliber truck-mounted howitzer that offers the advantages of superior fire power, enhanced mobility and rapid response time. Highly adaptable, the modular ATMOS system is compatible with any 6x6 or 8x8 high-mobility tactical truck. ATMOS supplies fire support for all types of missions and can be easily interfaced with customers' existing $C^4I$ systems.

Part of Elbit Systems' line of fully integrated, modular artillery solutions, ATMOS incorporates an embedded electronic suite, automatic laying system and automatic loading system. The advanced electronic suite effectively enables accurate navigation and autonomous operation, reduced crew size, increased fire power and high precision accuracy.

**Flexible platform configurations**

The ATMOS can be mounted on any adapted high-mobility 6x6 or 8x8 truck chassis preferred by the customer. The protected cabin of the ATMOS is designed for a crew of 5-6 personnel, a driver, a commander, and an additional three to four crew members along with all personal equipment and small arms. The cabin is equipped with an air conditioning system that is capable of both heating and cooling. The concept behind the ATMOS can be applied for the modernization of legacy towed guns, incorporating advanced new technologies like INS, MVR, ballistic computers, $C^4I$, hydraulics and electrical drives.

**Superior firepower capabilities**

The ATMOS achieves ranges exceeding 40km with ERFB-BB ammunition and suitable propelling charge.

Designed specifically for rapid deployment and operation on difficult terrain, the ATMOS's shoot-and-scoot capabilities are supported by an integrated electronic suite incorporating an INS-based laying system, as well as an automatic loading system that reduces crew effort.

The ATMOS can fire all types of qualified 155mm ammunition, projectiles and charges that are in use by NATO and other countries. On board containers store a minimum of 18 rounds, including projectiles, propellants and fuzes.

**Battle-proven and fully operational**

A fifth generation gun, the ATMOS provides advanced fire support for a wide range of missions and is operational in artillery forces around the world.

## Key Benefits

- Available with any 6x6 or 8x8 in-service truck
- Integrated with a complete electronic suite
- Integrated with system command and control  at all levels
- Rapid deployment  with high tactical mobility and rapid response time
- Protected and armored crew cabin
- Integrated logistic support and all-level maintenance program
- Low life-cycle cost

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## Technical Specifications

| | | |
|---|---|---|
| **Gun assembly** | | |
| | Caliber | 155mm / 52 Cal |
| | Breech Type | Horizontal sliding |
| | Recoil Buffer type | Hydraulic – single cylinder |
| | Recuperator | Hydro-pneumatic |
| **Loading System** | | |
| | Automatic | Hydraulically operated |
| **Gun drive system** | | |
| | Drive type | Hydraulic with manual backup |
| | Traverse range | ±25° |
| | Elevation range | up to +70° |
| | Positioning accuracy | 1 mil |
| **Electronics suite** | | |
| | Laying | Automatic INS & GPS based |
| | Communication to FDC | Data and voice |
| | Navigation | INS & GPS with built-in maps |
| | Muzzle Velocity Radar | Integrated on the ordnance |
| **Platform** | | |
| | Platform Type | 6x6 or 8x8 high mobility truck |
| | Road speed | More than 80km/h |
| | Off road speed | Up to 30km/h |
| **Physical parameters** | | |
| | Max total weight | 29,000kg |
| | Width while travelling | 2,550 mm |
| | Max Length while travelling | 9,500 mm |
| **Operational parameters** | | |
| | On board ammunition | Minimum of 18 full projectiles |
| | Deployment time | 60 seconds with electronic suite |
| | Disengagement time | 60 seconds with electronic suite |
| | Firing range (ERFB-BB) | More than 40km |

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